Status or remaining issues for analog cable

- length.
- sensor and cable connection.
- HV connection.
- shielding connection.

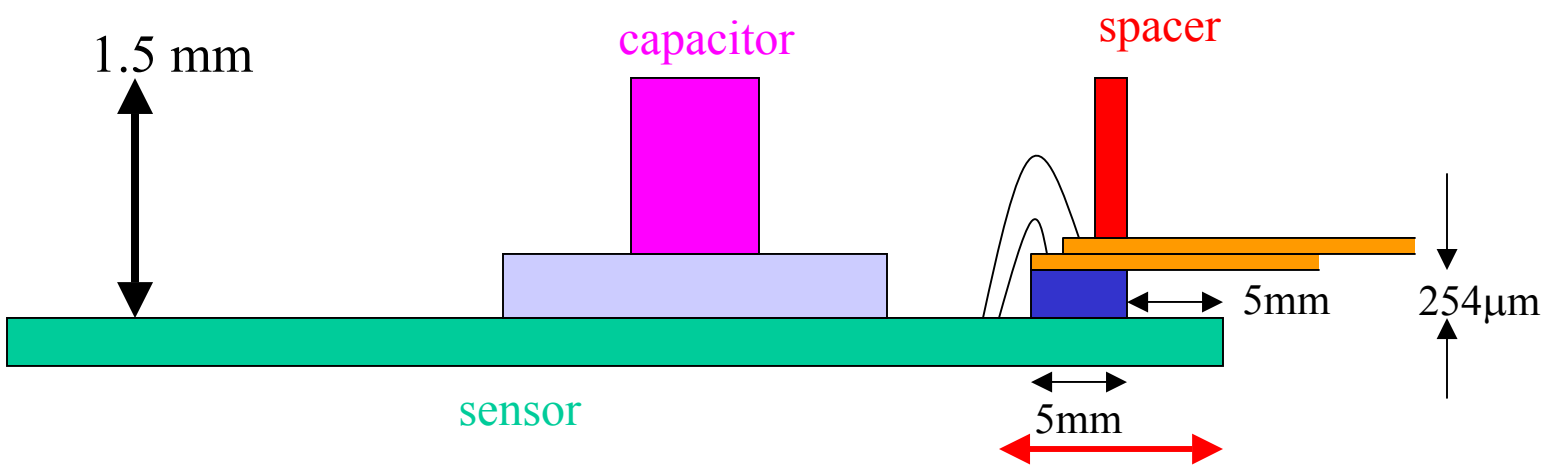
  ➔ design of the sensor has to be fixed.
- design of low pass filter.

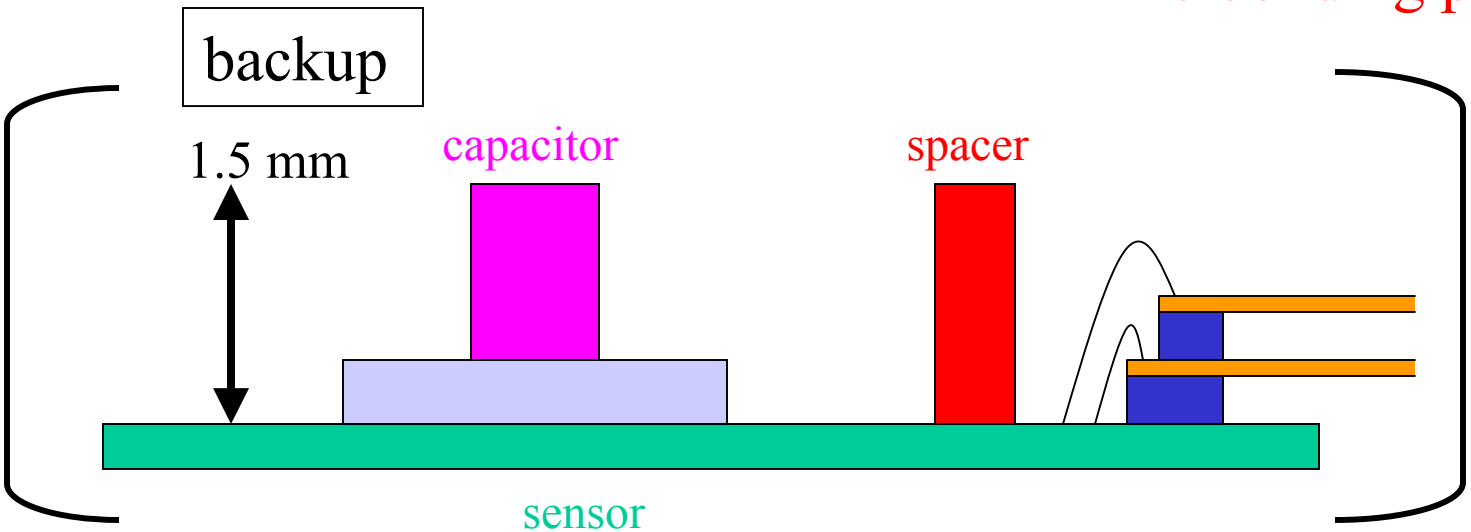
- ground shielding material.
- noise study.
- What else should we decide?

Length of analog cable

- Between sensor and hybrid [6 pairs]:
  425.1, 386.7, 348.3, 309.9, 271.5, 233.1mm
  (2.2mm shorter for each pair)
- Edge to bonding pads at sensor:
  5mm + 5mm + 2mm = 12mm (this is not fixed ← we propose this.)
- Edge to chip at hybrid: 5mm
- Tolerance ??? ← the purpose of having a mockup.

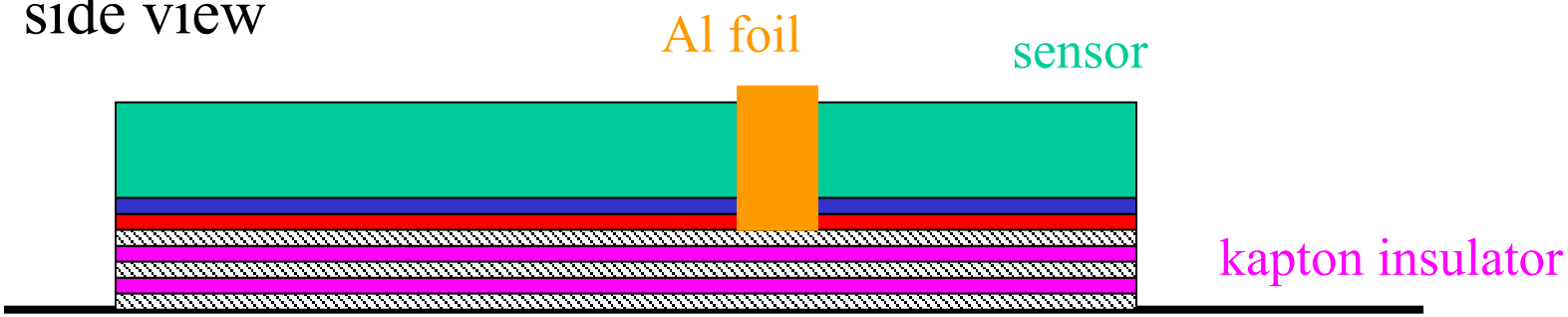
Sensor – cable connection





HV connection to the backplane

side view

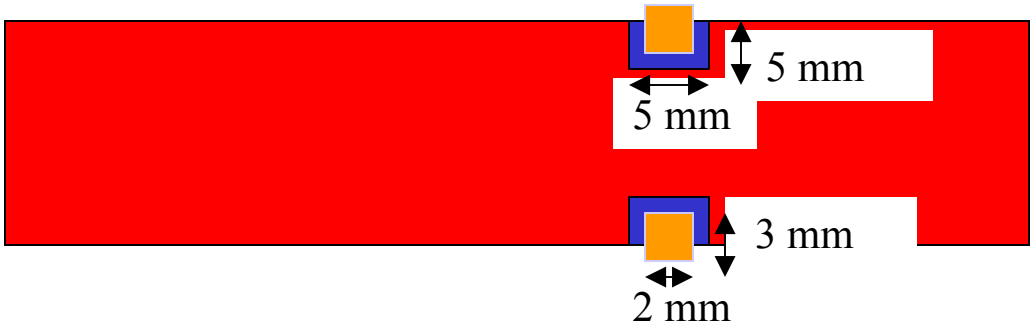


electrically non-conductive glue

electrically conductive glue

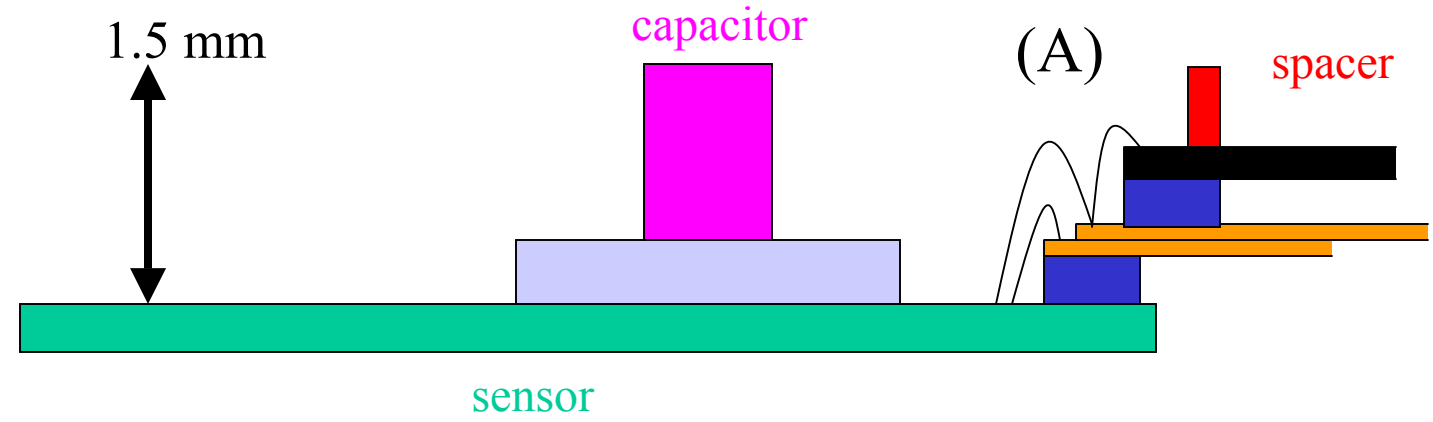
conductive material ← need choice

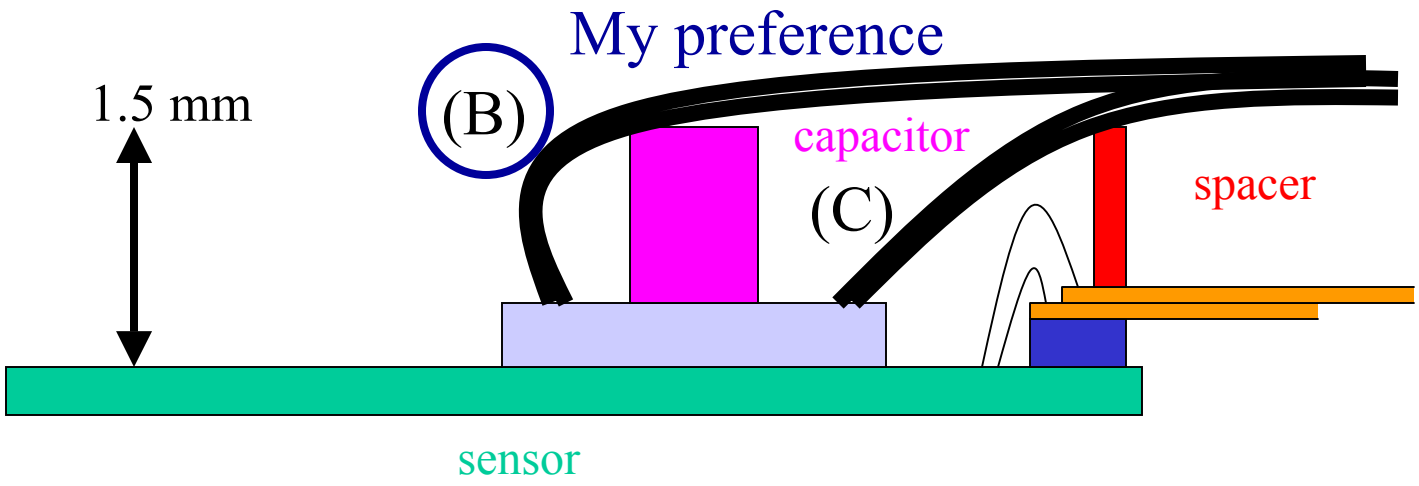
bottom view



Shielding connection

Three possibilities (or more?)





Shielding connection at hybrid